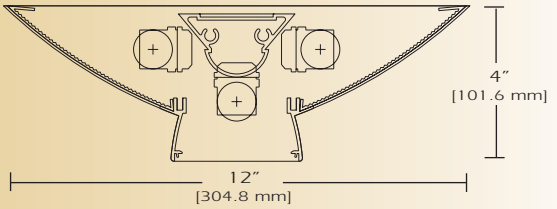
Job Name: Type:

Special Profiles AD-VEC-412-DI



TYPE _____

FEATURES

The AD VEC 412 DI is the suspended mounted variation of this complete family of luminaires. A smooth laser cut, mechanically fastened end finished the graceful contour of the extruded aluminum wings leaving no hardware exposed. The lower extruded housing is provided with a parabolic louver for a useful direct component, which provides glare control and visual contrast. The winged basket is perforated with 41% opening and a white translucent overlay that provides a diffuse component. The computer designed optical system creates a wide glare-free indirect component. These fixtures can be mounted individually or in continuous rows and features a reveal between the modules in continuous rows.

SPECIFICATIONS

Housing: Two piece heavy gauge extruded aluminum 6063T5 alloy welded construction forming a 4" x 12" vector profile. Continuous perforated sides are 20 gauge cold rolled steel 1/16" x 3 /32" staggered centers 41% opening with white acrylic .020 translucent overlay. Decorative die cast aluminum hanger assemblies are provided for mounting and joining individual fixtures into rows and patterns. Housing is also available with various perforated patterns. Standard lengths are up to 8'.

Reflector: Die formed 20-gauge cold rolled steel minimum 90% reflectivity finished in high gloss baked white enamel.

Shielding: Parabolic louver is semi specular low iridescent aluminum 1 1/4" x 3" O.C. with 16 cells per 4' section.

Electrical: Ballast is electronic, high power factor, thermally protected class P, sound rated A, with less than 20% total harmonic distortion. The minimum number of ballasts will be used unless otherwise specified.

Mounting: Standard installation is an adjustable self-locking aircraft assembly 48" x 3/32" in diameter with 5" canopy. One 16/4 SJT straight 54" cord is provided per power feed. Standard pendants are available in 24" lengths. See Accessories for additional mounting.

Finish: Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.

Lamps: Fixtures are provided for use with two or three 32 watt T8 lamp or 54 watt T5 HO lamp. (Supplied by Others)

Certification: Luminaires are U. L. Listed, C. S. A. certified and are Union Made in the United States of America I.B.E.W.

ORDERING GUIDE

MODEL NO.	DIRECTION	SHIELDING	NO. OF LAMPS	LAMPS	MOUNTING	LENGTH	FINISH	VOLTAGE	OPTIONS
AD-VEC-412	**DI**	–	–	–	–	–	–	–	–
AD-VEC-412	**DI**=Direct/ Indirect	**PBL**= Parabolic Louver	**2** **3**	**17T8** **25T8** **32T8** **14T5** **21T5** **28T5** **24T5 HO** **39T5 HO** **54T5 HO** **O**=Other Specify	**AC**= Cable **PD**= Pendant See Accessories	**3** **4** **6** **8** for other, please enter row length (eg. 48=48ft)	**W**= White **CC**= Custom Color	**120v** **277v**	**See Options Below**

Example: **AD VEC 412-DI-PBL-332T8-4'-AC-W-120V**

AD VEC 412 direct/indirect with parabolic louver for two 32 watt T8 lamps up and one 32 watt T8 lamp down including two 48 inch aircraft cables and power feed four foot fixture finished in baked white enamel 120V electronic ballast less than 20% total harmonic distortion.

OPTIONS

E10=	Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
DIM=	Dimming Ballast
EPC=	Emergency Battery Pack
EMC=	Emergency Circuit
TCW=	Two Circuit Wiring
TDW=	Tandem Wiring
OTH=	See Accessories for other options available

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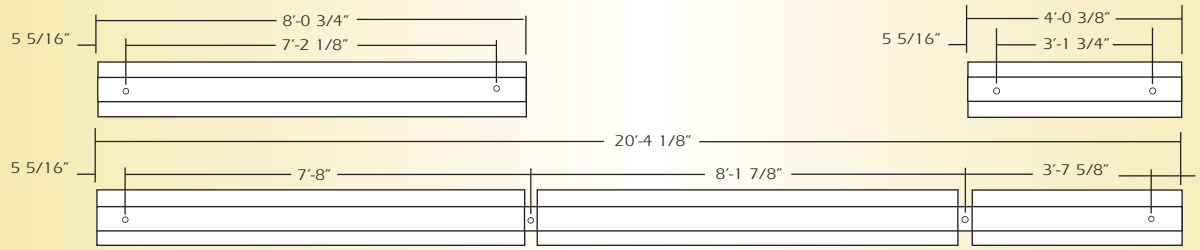
Special Profiles

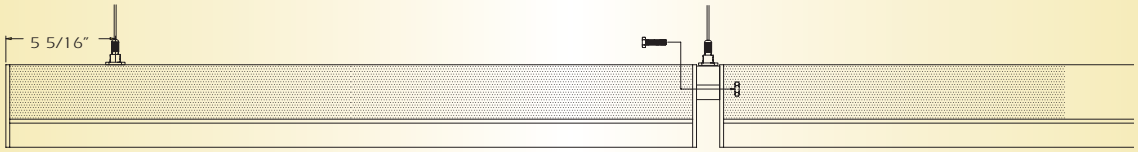
AD-VEC-412-DI

LINEAR SECTIONS AND SUSPENSION LOCATION

SUSPENSION MOUNTING

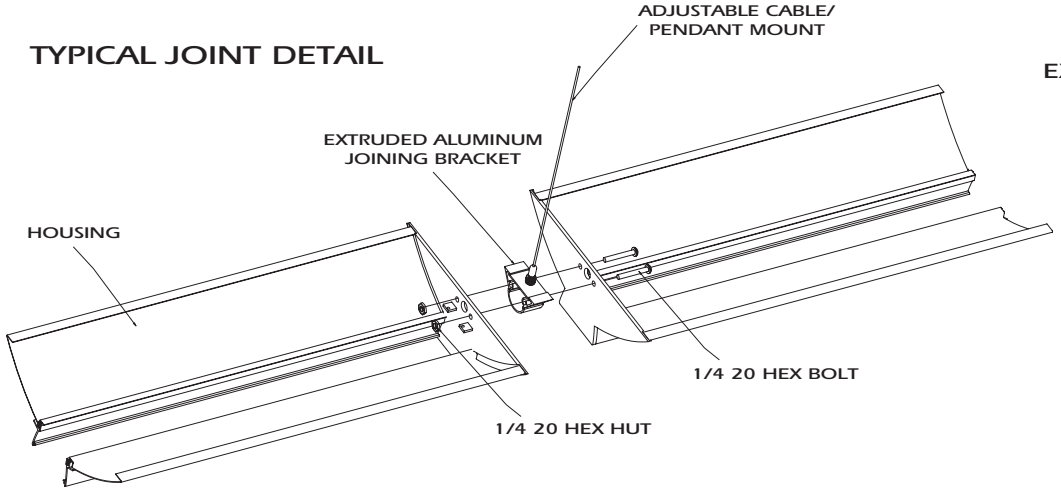


JOINT MOUNTING

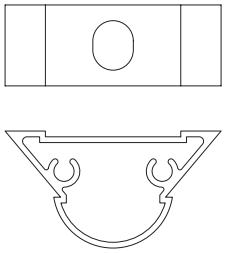


INSTALLATION PREPARATION

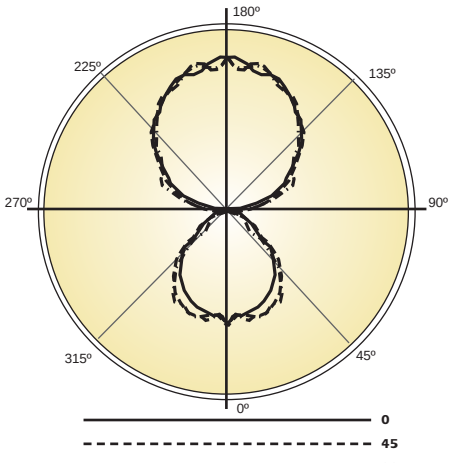
TYPICAL JOINT DETAIL



EXTRUDED ALUMINUM JOINING BRACKET



PHOTOMETRY



LAMP (3) 32W T8
LUMENS: 2900 PER LAMP

Candela Distribution:

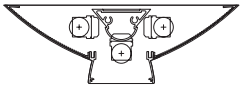
Vert. Angle	0	22.5	45	67.5	90
0	971	971	971	971	971
10	893	933	890	965	933
20	845	859	911	962	928
30	758	785	833	832	889
40	621	687	707	712	693
50	485	530	466	333	284
60	265	264	197	200	196
70	136	121	134	135	147
80	92.0	91.3	105	107	107
90	57.8	96.2	83.8	86.7	82.3
100	195	233	275	255	271
110	420	391	449	529	535
120	598	648	572	600	631
130	813	823	800	764	741
140	990	984	985	971	938
150	1101	1084	1096	1104	1131
160	1219	1221	1179	1218	1188
170	1215	1247	1285	1251	1262
180	1308	1308	1308	1308	1308

Optical Distribution:
64% Indirect: 36% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

pcc	.8				.7				.5			.3			.1			0
pw	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
RCR																		
0	76	76	76	76	68	68	68	68	55	55	55	43	43	43	31	31	31	26
1	69	66	63	60	62	59	57	55	48	46	45	37	36	35	28	27	26	22
2	63	57	53	50	57	52	48	45	42	40	37	33	31	30	25	23	22	19
3	57	51	46	41	52	46	42	38	37	34	32	29	27	25	22	21	19	16
4	52	45	39	35	47	41	36	32	33	30	27	26	24	22	20	18	17	14
5	48	40	34	30	43	36	32	28	30	26	23	24	21	19	18	16	15	12
6	44	36	30	26	40	33	28	24	27	23	20	21	19	17	16	14	13	11
7	41	32	27	23	37	30	25	21	24	21	18	19	17	15	15	13	12	9
8	38	29	24	20	34	27	22	19	22	18	16	18	15	13	14	12	10	8
9	35	27	21	18	32	24	20	16	20	17	14	16	14	12	12	11	9	8
10	33	24	19	16	30	22	18	15	19	15	13	15	12	10	12	10	8	7



Total Luminaire Optical Efficiency = 73.1%

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